PTO/SB/05 (06-03)

Approved for use through 07/31/2003. OMB 0651-0032

U.S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. UTILITY

PATENT APPLICATION **TRANSMITTAL**

Attorney Docket No.		
First Inventor	GEORGE J. MILAO	2 =
Title	MEMO-Based Multiuser ofom For Uttra Wideband Communicat	Yutiband
Evennes Mail Label No.	E0 337857875 110	

(Only for field	w nonprovisional applications under 3	7 CFK 1.55(DJ)	Express Mail Label No.	IER -	<u>237°57</u>	423 US		
	APPLICATION ELEMENT apter 600 concerning utility patent app		ADDRESS TO:	Commission P.O. Box 1		•		
1. Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original and a duplicate for fee processing) Applicant claims small entity status. See 37 CFR 1.27. 3. Specification [Total Pages33] (preferred arrangement set forth below) - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (if filed) - Detailed Description - Claim(s) - Abstract of the Disclosure 4. Drawing(s) (35 U.S.C. 113) [Total Sheets] 5. Oath or Declaration Total Sheets] Newly executed (original or copy)			7. CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix) 8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary) a. Computer Reader Form (CRF) b. Specification Sequence Listing on: i. CD-ROM or CD-R (2 copies); or ii. Paper c. Statements verifying identity of above copies ACCOMPANYING APPLICATION PARTS					
			9. Assignment Papers (cover sheet & document(s)) 10. 37 CFR 3.73(b) Statement Power of (when there is an assignee) Attorney English Translation Document (if applicable) 12. Information Disclosure Copies of IDS Statement (IDS)/PTO-1449 Citations Preliminary Amendment 14. Return Receipt Postcard (MPEP 503) (Should be specifically itemized) 15. Certified Copy of Priority Document(s) (if foreign priority is claimed) Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. 17. Other:					
18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP) Of prior application No.: Prior application information: Examiner Art Unit: For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box								
The incorporation of	part of the disclosure of the accomen and the accomen and the relied upon when a portion of the accomen and th	ion has been inadver	tently omitted from the subn	id is hereby in nitted applica	ncorporated by tion parts.	/ reference.		
	1	9. CORRESPONI	DENCE ADDRESS					
Customer	Number:		OR [Corres	oondence add	tress below		
Name	GEORGE	J. MI	AO					
Address	2 INVE	QNESS	DRIVE					
City	MARLBOI		State NJ		Zip Code	07746		
Country	USA	Te	elephone 732-46.	2-7447	Fax			
Name (Print/Type)	4-074-01		Registration No. (Attorne	ey/Agent)				
Signature	Geren For	mason			Date of	131/2003		

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/17 (05-03)
Approved for use through 04/30/2003. OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

FEE	TR	AN	SMI	TT	AL
	for I	FY	200	3	

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Complete if Known					
Application Number					
Filing Date					
First Named Inventor	George J. Miao				
Examiner Name					
Art Unit					
Attorney Docket No.					

METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)				_	
Check Credit card Money Other None 3. ADDITIONAL FEES						
Deposit Account:	Large En			Entity		
Deposit			Fee Code	Fee (\$)	Fee Description	Fee Paid
Account Number	1051 1	130	2051	65	Surcharge - late filing fee or oath	1001010
Deposit Account	1052	50	2052	25	Surcharge - tate provisional filing fee or cover sheet	
Name The Director is authorized to: (check all that apply)	1053 1	130	1053	130	Non-English specification	
Charge fee(s) indicated below Credit any overpayments	1812 2,	,520	1812	2,520	For filing a request for ex parte reexamination	
Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*	Requesting publication of SIR prior to Examiner action	
Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.	1805 1,	,840*	1805	1,840*	Requesting publication of SIR after Examiner action	
FEE CALCULATION	1251	110	2251	55	Extension for reply within first month	ŀ
1. BASIC FILING FEE	1252	410	2252	205	Extension for reply within second month	
Large Entity Small Entity	1253	930	2253	465	Extension for reply within third month	
Fee Fee Fee Fee Pescription Fee Paid Code (\$) Code (\$)	1254 1,	450	2254	725	Extension for reply within fourth month	
1001 750 2001 275 Hillity Gling for	1255 1,	970	2255	985	Extension for reply within fifth month	
1002 330 2002 165 Design filling fee 375	1401	320	2401	160	Notice of Appeal	
1003 520 2003 260 Plant filing fee	1402	320	2402	160	Filing a brief in support of an appeal	
1004 750 2004 375 Reissue filing fee	1403	280	2403	140	Request for oral hearing	
1005 160 2005 80 Provisional filing fee	1451 1,	510	1451	1,510	Petition to institute a public use proceeding	
SUBTOTAL (1) (\$) 375	1452	110	2452	55	Petition to revive - unavoidable	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1453 1,		2453		Petition to revive - unintentional	
Fee from	1501 1,3	- 1	2501		Utility issue fee (or reissue)	
Total Claims 20 -20** = 0 x 9 = 0		470	2502		Design issue fee	
Independent 3 - 3** = 0 x 42 = 0		630	2503		Plant issue fee	
Multiple Dependent		130	1460		Petitions to the Commissioner	
Large Entity Small Entity	1807	50	1807		Processing fee under 37 CFR 1.17(q)	
Fee Fee Fee Fee Description	1806	180	1806		Submission of Information Disclosure Stmt	
Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20	8021	40	8021	40	Recording each patent assignment per property (times number of properties)	
1201 84 2201 42 Independent claims in excess of 3	1809 7	750	2809	375	Filing a submission after final rejection (37 CFR 1.129(a))	
1203 280 2203 140 Multiple dependent claim, if not paid	1810 7	750	2810	375	For each additional invention to be	
1204 84 2204 42 ** Reissue independent claims over original patent	1801 7	750	2801	275	examined (37 CFR 1.129(b))	
1205 18 2205 9 ** Reissue claims in excess of 20		900	1802	900	Request for Continued Examination (RCE) Request for expedited examination	
and over original patent	.552	1		300	of a design application	
SUBTOTAL (2) (\$) 0	Other fee					
**or number previously paid, if greater; For Reissues, see above	*Reduce	ed by E	Basic F	iling Fe	ee Paid SUBTOTAL (3) (\$)	[]

SUBMITTED BY

(Complete (if applicable)

Name (Print/Type)

George J. Miao

Registration No. (Attornev/Agent)

Signature

(Complete (if applicable)

Telephone 732-462-7447

Date 08/31/2003

WARNING: Information n this f rm may b c m public. Credit card information sh uld n t b included n this f rm. Pr vide credit card information and auth rization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U. S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

NONPUBLICATION REQUEST UNDER 35 U.S.C. 122(b)(2)(B)(i)

		GEORGE J. MIAO				
Title	Title For Ultra Wideband Communication					
	ney Docket Number					

I hereby certify that the invention disclosed in the attached application has not and will not be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

08/31/2003 Green

732-462-7447
Telephone number

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

This collection of information is required by 37 CFR 1.213(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 6 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.